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May 25, 1983

Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

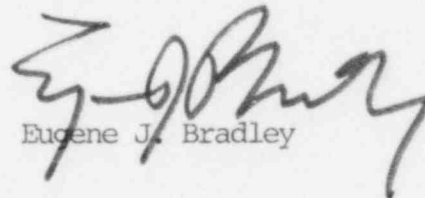
SUBJECT: Limerick Generating Station, Units 1 and 2  
Open Item from the Hydrologic & Geotechnical  
Engineering Branch (HGEB)

Dear Mr. Schwencer:

Attached is a revised draft change to FSAR Section 9.2.6.4.2.2.  
This supercedes the draft change submitted to you via letter dated April  
13, 1983.

This draft change will be formally incorporated into the FSAR  
revision scheduled for June, 1983.

Sincerely,

  
Eugene J. Bradley

JTR/mjb 5/17/83-1

Copy to: See Attached Service List

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|     |                                                       |                 |
|-----|-------------------------------------------------------|-----------------|
| cc: | Judge Lawrence Brenner                                | (w/o enclosure) |
|     | Judge Richard F. Cole                                 | "               |
|     | Judge Peter A. Morris                                 | "               |
|     | Troy B. Conner, Jr., Esq.                             | "               |
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|     | Thomas Y. Au, Esq.                                    | "               |
|     | Mr. Thomas Gerusky                                    | "               |
|     | Director, Pennsylvania Emergency<br>Management Agency | "               |
|     | Steven P. Hershey                                     | "               |
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|     | Mr. Joseph H. White, III                              | "               |
|     | David Wersan, Esq.                                    | "               |
|     | Robert J. Sugarman, Esq.                              | "               |
|     | Martha W. Bush, Esq.                                  | "               |
|     | Atomic Safety and Licensing Appeal Board              | "               |
|     | Atomic Safety and Licensing Board Panel               | "               |
|     | Docket and Service Section                            | "               |

Replace existing Section 9.2.6.4.2.2 with the following:

9.2.6.4.2.2

Natural evaporation of the Spray Pond was based on the design meteorology of Section 9.2.6.4.1 and a constant pond surface area of 9.6 acres. The water loss due to natural evaporation is shown in Table 9.2-13. This is conservative since the average surface area over the 30-day accident scenario is less than 9.6 acres, and the effect of the sprays suppressing evaporation is not taken into account.

The evaporation calculation was based on the methodology of Reference 9.2-5.

REFERENCE 9.2-5

Ryan, P. J., and Harleman, D.R.F. "An Analytical and Experimental Study of Transient Cooling Pond Behavior", Ralph M. Parsons Laboratory for Water Resources and Hydrodynamics, Report No. 161, MIT Press, January, 1973.

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